

RESONANT OPERATION OF A MEMS SWITCH

ABSTRACT OF THE DISCLOSURE

A switch arrangement includes a MEMS switch connected to a voltage supply system. The MEMS switch has a mechanical resonant frequency. The voltage supply system has a capability for supplying a voltage with a frequency corresponding to the mechanical resonant frequency of the switch. A method includes providing a MEMS switch including a movable part which has a mechanical resonant frequency, and then supplying an AC voltage to the movable part. The AC voltage has a frequency corresponding to the mechanical resonant frequency of the movable part.

FOUO - CONFIDENTIAL